

# Joystick Alignment Procedure

Mauldin 1750C Paver (Pro 6)

The objective here is to align the mechanical neutral with the electric neutral.

Tools needed: 7/16" wrench, phillips screwdriver, 1.5 mm hex key, small flat screwdriver

- 1 Remove (4) 1/4" screws that hold joystick control panel to console
- 2 Remove (4) 10-32 screws holding subject joystick to control panel
- 3 Do not unplug joystick. Loosen (2) 3 mm set screws on potentiometer shaft gear
- 4 Locate end of potentiometer shaft with slot. Turn shaft all the way clockwise
- 5 Turn key to "on" position but do not start engine. Toggle "pause/resume" switch one time
- 6 Observe pause light, it should be on steady.
- 7 Rotate potentiometer shaft counter clockwise slowly until near halfway point, pause light will go off
- 8 Stop as soon as light goes off and make a mark where the slot stops. Turn key "off"
- 9 Turn shaft all the way counter clockwise and turn key "on". Toggle "pause/resume" switch one time
- 10 Observe pause light, it should be on steady.
- 11 Rotate potentiometer shaft clockwise slowly until near halfway point, pause light will go off
- 12 Stop as soon as light goes off and make a mark where the slot stops. Turn key "off"
- Make certain joystick handle is in center of detent
- 13 These two marks should have a space in between them.
- 14 Split the difference and rotate the potentiometer shaft to that point
- 15 Carefully tighten the two set screws

## Notes:

If pause light does not go out, either subject joystick is bad or opposite one is bad or unplugged or not in neutral

Plastic gears have set screws 180 deg apart. Brass gears have set screws 90 deg apart.

Either gear can be used on any Pro 6 joy sticks